

**Claim Amendments:**

Claim 1 (canceled)

Claim 2 (canceled)

Claim 3 (canceled)

Claim 4 (canceled)

Claim 5 (canceled)

Claim 6 (canceled)

Claim 7 (canceled)

Claim 8 (canceled)

Claim 9 (canceled)

Claim 10 (currently amended) A test kit useful for detecting a polynucleotide in a test sample, said test kit comprising a container containing at least one polynucleotide having at least ~~50%~~ 85% identity with a sequence selected from the group consisting of ~~SEQUENCE ID NOS: 4-16~~ 15 and 16, and fragments or complements thereof, wherein said fragments have a length of at least ~~10~~ 15 nucleotides.

Claim 11 (currently amended) A purified polynucleotide ~~or fragment thereof~~ having at least ~~50%~~ 85% identity with a sequence selected from the group consisting of ~~SEQUENCE ID NOS: 4-16~~ 15 and 16, and fragments or

complements thereof, wherein said fragments have a length of at least ~~40~~ 15 nucleotides.

Claim 12 (original) The purified polynucleotide of claim 11, wherein said polynucleotide is produced by recombinant techniques.

Claim 13 (original) The purified polynucleotide of claim 11, wherein said polynucleotide is produced by synthetic techniques.

Claim 14 (previously presented) The purified polynucleotide of claim 11, wherein said polynucleotide comprises a sequence encoding at least one epitope.

Claim 15 (currently amended) A recombinant expression system comprising a nucleic acid sequence that includes an open reading frame operably linked to a control sequence compatible with a desired host, wherein said nucleic acid sequence has at least ~~50%~~ 85% identity with a sequence selected from the group consisting of ~~SEQUENCE ID NOS: 4-46~~ 15 and 16, and fragments or complements thereof, wherein said fragments have a length of at least ~~40~~ 15 nucleotides.

Claim 16 (original) A cell transfected with the recombinant expression system of claim 15.

Claim 17 (canceled)

Claim 18 (canceled)

Claim 19 (canceled)

Claim 20 (canceled)

Claim 21 (canceled)

Claim 22 (canceled)

Claim 23 (withdrawn)

Claim 24 (withdrawn)

Claim 25 (withdrawn)

Claim 26 (withdrawn)

Claim 27 (withdrawn)

Claim 28 (withdrawn)

Claim 29 (withdrawn)

Claim 30 (withdrawn)

Claim 31 (withdrawn)

Claim 32 (withdrawn)

Claim 33 (currently amended) A composition of matter comprising a polynucleotide or ~~fragment thereof~~, wherein said polynucleotide has at least ~~50%~~ 85% identity with a polynucleotide selected from the group consisting of

SEQUENCE ID NOS: ~~4-16~~ 15 and 16, and fragments or complements thereof, wherein said fragments have a length of at least ~~40~~ 15 nucleotides.

Claim 34 (withdrawn)

Claim 35 (original) A test kit of claim 10 further comprising a container with tools useful for collection of said sample, wherein the tools are selected from the group consisting of lancets, absorbent paper, cloth, swabs and cups.

Claim 36 (canceled)

Claim 37 (canceled)

Claim 38 (currently amended) A polynucleotide that codes for a protein comprising an amino acid sequence having at least ~~50%~~ 85% identity to SEQUENCE ID NO: 36.

Claim 39 (currently amended) A polynucleotide comprising DNA having at least ~~50%~~ 85% identity with SEQUENCE ID NO: 15 or SEQUENCE ID NO:16.